3RT2038-1XB40-0LA2

Data sheet



Traction contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC 24 V DC, 0.7-1.25 * Us, with varistor 3-pole, Size S2, screw terminals

product brand name	SIRIUS
product designation	Contactor
design of the product	With extended operating range
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current at AC in hot operating state	17.1 W
• per pole	5.7 W
power loss [W] for rated value of the current without load current share typical	1 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	7.7g / 5 ms, 4.5g / 10 ms
shock resistance with sine pulse	
• at DC	12g / 5 ms, 7g / 10 ms
mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2014 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	-40 +70 °C
ambient temperature during storage	-55 +80 °C
1 3 3	

number of Poles for main current circuit 3	Main circuit	
• operating voltage at AC-3 rated value maximum operational current • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC-2 at value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-2 at 400 V rated value • at AC-2 at 400 V rated value • at AC-3 at 400 V rated value • at AC-3 at 400 V rated value • at AC-3 at 400 V rated value • at AC-4 at 400 V rated value • at AC-4 at 400 V rated value • at maximum AC-1 rated value • at maximum AC-1 rated value • at maximum Brated value • at maximum Brated value • at at 400 V rated value • at at 400 V rated value • at 1 current part at DC-1 • at 1 current part at DC-1 • at 2 V v rated value • at 40 V rated value • at 40 V rated value • at 20 V rated value • at 40 V rated value • at 40 V rated value • at 20 V rated value • at 22 V rated value • at 22 V rated value • at 22 V rated value • at 40 V rated val	number of poles for main current circuit	3
Operational current	number of NO contacts for main contacts	3
Operational current	operating voltage at AC-3 rated value maximum	690 V
■ At AC-1 at 400 V at ambient temperature 40 °C rated value ■ at AC-1 — up to 580 V at ambient temperature 60 °C rated value — up to 580 V at ambient temperature 60 °C rated value — up to 580 V at ambient temperature 60 °C rated value — at 600 V rated value — at 400 V rated value — at 500 V rated value — at 680 V rated		
— up to 590 V at ambient temperature 40 °C rated value — up to 590 V at ambient temperature 60 °C rated value 30 A 30 A 31 AC-3 31 AC	• at AC-1 at 400 V at ambient temperature 40 °C	90 A
rated value — up to 690 Y at ambient temperature 60 °C rated value • at AC-3 at 400 V rated value • at AC-3 — at 400 V rated value — at 690 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at maximum AC-1 rated value • at maximum AC-1 rated value • at maximum Brit rated value • at 100 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 100 V rated value • at 100 V rated value • at 100 V rated value • at 20 V rated value • at 20 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 400 V rated value — at 24 V rated value — at 200 V rated value — at 400 V rated value — at 200 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value — at 100 V rated value — at 100 V rated value — at 220 V rated value — at 220 V rated value • 35 A — at 440 V rated value — at 600 V rated value • 36 A • at 440 V rated value • 36 A • at 220 V rated value • 37 A • 38 A 38 A 39 A 39 A 30 A		
rated value • at AC-3 - at 400 V rated value • at AC-3 - at 400 V rated value - at 500 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value • at maximum AC-1 rated value • at maximum Brated value • at 1600 V rated value • at 600 V rated value • at 1600 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 110 V rated value • at 140 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 140 V rated	rated value	
	rated value	
		80 A
at 590 V rated value 58 A 58		00.4
■ at AC-4 at 400 V rated value		
• at AC-4 at 400 V rated value 55 A minimum cross-section in main circuit • at maximum AC-1 rated value 35 mm² • at maximum lith rated value 35 mm² operational current for approx. 2000000 operating cycles at AC-4 • at 400 V rated value 30 A • at 690 V rated value 24 A operational current • at 1 current path at DC-1 - at 24 V rated value 55 A — at 110 V rated value 4.5 A - at 220 V rated value 1 A — at 220 V rated value 0.4 A - at 600 V rated value 0.25 A — at 400 V rated value 55 A - at 110 V rated value 55 A — at 400 V rated value 55 A - at 110 V rated value 55 A — at 220 V rated value 55 A - at 220 V rated value 55 A — at 44 V or 120 V rated value 55 A - at 110 V rated value 55 A — at 220 V rated value 55 A - at 220 V rated value 55 A — at 220 V rated value 55 A - at 220 V rated value 55 A — at 44 V rated value 55 A - at 220 V rated value 29 A		
Minimum cross-section in main circuit at maximum AC-1 rated value 35 mm² 35		
• at maximum AC-1 rated value 35 mm² at maximum th rated value 35 mm² at maximum th rated value 35 mm² at maximum th rated value 35 mm² at 400 V rated value 24 A 30 A at 690 V rated value 24 A 30 A at 690 V rated value 24 A 30 A at 690 V rated value 25 A 30 A at 600 V rated value 35 A 30 A at 600 V rated value 45 A 30 A 30 A at 600 V rated value 55 A 30 A		00 A
• at maximum ith rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 690 V rated value — at 110 V rated value — at 220 V rated value — at 690 V rated value — at 690 V rated value — at 24 V rated value — at 690 V rated value — at 24 V rated value — at 20 V rated value — at 110 V rated value — at 20 V rated value — at 20 V rated value — at 110 V rated value — at 20 V rated value — at 40 V rated value — at 600 V ra		25 mm²
operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value 30 A • at 400 V rated value 24 A operational current 24 A • all current path at DC-1 55 A — at 224 V rated value 4.5 A — at 220 V rated value 1 A — at 440 V rated value 0.4 A — at 600 V rated value 0.25 A • with 2 current paths in series at DC-1 4 5 A — at 24 V rated value 45 A — at 220 V rated value 45 A — at 220 V rated value 5 A — at 220 V rated value 1 A — at 220 V rated value 0.8 A • with 3 current paths regies at DC-1 3 A — at 24 V rated value 55 A — at 220 V rated value 55 A — at 220 V rated value 55 A — at 220 V rated value 2.9 A — at 220 V rated value 1.4 A • at 110 V rated value 2.5 A — at 110 V rated value 2.5 A — at 110 V rated value 2.5 A — at 220 V rated value 0.		
e at 400 V rated value 24 A • at 400 V rated value 24 A operational current • at 1 current path at DC-1 — at 24 V rated value 55 A — at 110 V rated value 1A — at 440 V rated value 0.25 A • with 2 current paths in series at DC-1 — at 24 V rated value 55 A — at 110 V rated value 0.25 A • with 2 current paths in series at DC-1 — at 24 V rated value 45 A — at 110 V rated value 55 A — at 110 V rated value 55 A — at 110 V rated value 55 A — at 440 V rated value 55 A — at 1410 V rated value 55 A — at 1410 V rated value 55 A — at 140 V rated value 25 A — at 44 V rated value 55 A — at 10 V rated value 45 A — at 140 V rated value 29 A — at 440 V rated value 35 A — at 120 V rated value 45 A — at 120 V rated value 29 A — at 440 V rated value 20 A — at 440 V rated value 25 A — at 1200 V rated value 14 A operational current • at 1 current path at DC-3 at DC-5 — at 220 V rated value 1A — at 440 V rated value 25 A — at 220 V rated value 1A — at 440 V rated value 25 A — at 220 V rated value 25 A — at 220 V rated value 55 A — at 440 V rated value 56 A — at 440 V rated value 57 A — at 440 V rated value 58 A — at 220 V rated value 59 A — at 220 V rated value 50 A — at 440 V rated value 50 A — at 440 V rated value 50 A — at 440 V rated value 56 A — at 440 V rated val		30 111111 00
■ at 400 V rated value 24 A ■ at 690 V rated value 24 A operational current ■ at 1 current path at DC-1 — at 24 V rated value 4.5 A — at 110 V rated value 0.4 A — at 600 V rated value 0.4 A — at 600 V rated value 0.25 A ■ with 2 current path is series at DC-1 — at 24 V rated value 45 A — at 110 V rated value 55 A — at 110 V rated value 45 A — at 110 V rated value 55 A — at 110 V rated value 55 A — at 220 V rated value 55 A — at 240 V rated value 55 A — at 440 V rated value 15 A — at 440 V rated value 55 A — at 440 V rated value 55 A — at 440 V rated value 55 A — at 110 V rated value 55 A — at 110 V rated value 45 A — at 220 V rated value 55 A — at 24 V rated value 45 A — at 24 V rated value 55 A — at 24 V rated value 45 A — at 27 V rated value 55 A — at 28 V rated value 45 A — at 29 A — at 440 V rated value 45 A — at 440 V rated value 2.9 A — at 600 V rated value 1,4 A operational current ■ at 1 current path at DC-3 at DC-5 — at 24 V rated value 2.5 A — at 220 V rated value 1 A — at 440 V rated value 1 A — at 440 V rated value 2.5 A — at 220 V rated value 1 A — at 440 V rated value 2.5 A — at 220 V rated value 55 A — at 420 V rated value 55 A — at 420 V rated value 55 A — at 440 V rated value 56 A — at 440 V rated value 66 A — at 440 V rated value 67 A — at 440 V rated value 67 A — at 440 V rated value 68 A — at 440		
• at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 110 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — 55 A — at 110 V rated value — 55 A — at 120 V rated value — 45 A — at 220 V rated value — 35 A — at 220 V rated value — 36 600 V rated value — 41 440 V rated value — 35 A — at 12 Current path at DC-3 at DC-5 — at 22 V rated value — 36 A — at 110 V rated value — 36 A — at 1200 V rated value — 36 A — at 1200 V rated value — 36 A — at 220 V rated value — 36 A — at 220 V rated value — 36 A — at 440 V rated value — 36 A — at 440 V rated value — 36 A — at 440 V rated value — 37 A — at 440 V rated value — 38 A — at 110 V rated value — 38 A — at 440 V rated value — 37 A — 38 A		30 A
• at 1 current path at DC-1 - at 24 V rated value		
• at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 22 V rated value — at 22 V rated value — at 24 V rated value — at 25 A — at 110 V rated value — at 440 V rated value — at 24 V rated value — at 25 A — at 110 V rated value — at 24 V rated value — at 25 A — at 120 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 22 V rated value — at 22 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value — 55 A — at 220 V rated value — 1,4 A		
- at 24 V rated value	•	
- at 110 V rated value		55 A
- at 220 V rated value		
- at 440 V rated value 0.4 A 0.25 A • with 2 current paths in series at DC-1 - at 24 V rated value 55 A - at 110 V rated value 45 A - at 220 V rated value 5 A - at 440 V rated value 5 A - at 440 V rated value 55 A • with 3 current paths in series at DC-1 - at 24 V rated value 55 A • with 3 current paths in series at DC-1 - at 24 V rated value 55 A - at 110 V rated value 55 A - at 110 V rated value 55 A - at 110 V rated value 55 A - at 220 V rated value 45 A - at 220 V rated value 2.9 A - at 400 V rated value 2.9 A - at 600 V rated value 1.4 A operational current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 110 V rated value 2.5 A - at 220 V rated value 35 A - at 220 V rated value 0.1 A - at 440 V rated value 0.1 A - at 440 V rated value 55 A - at 220 V rated value 55 A - at 220 V rated value 55 A - at 220 V rated value 55 A - at 24 V rated value 55 A - at 440 V rated value 55 A - at 400 V rated value 0.27 A - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A		
 at 600 V rated value with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 4600 V rated value — with 3 current paths in series at DC-1 — at 24 V rated value — with 3 current paths in series at DC-1 — at 220 V rated value — 55 A — at 110 V rated value — 55 A — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 10 U rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — with 2 current paths in series at DC-3 at DC-5 — at 22 V rated value — at 440 V rated value — at 22 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — with 3 current paths in series at DC-3 at DC-5 		
with 2 current paths in series at DC-1 — at 24 V rated value		
- at 24 V rated value	with 2 current paths in series at DC-1	
- at 110 V rated value 5 A - at 220 V rated value 5 A - at 440 V rated value 1 A - at 600 V rated value 0.8 A ● with 3 current paths in series at DC-1 - at 24 V rated value 55 A - at 110 V rated value 55 A - at 220 V rated value 45 A - at 440 V rated value 2.9 A - at 600 V rated value 1.4 A operational current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 35 A - at 110 V rated value 35 A - at 110 V rated value 1 A - at 440 V rated value 35 A - at 110 V rated value 1 A - at 440 V rated value 1 A - at 600 V rated value 1 A - at 600 V rated value 55 A - at 220 V rated value 55 A - at 220 V rated value 55 A - at 220 V rated value 55 A - at 440 V rated value 50.27 A - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A		55 A
- at 220 V rated value	— at 110 V rated value	45 A
- at 440 V rated value 0.8 A ● with 3 current paths in series at DC-1 - at 24 V rated value 55 A - at 110 V rated value 45 A - at 440 V rated value 45 A - at 440 V rated value 2.9 A - at 600 V rated value 1.4 A operational current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 110 V rated value 35 A - at 110 V rated value 2.5 A - at 220 V rated value 35 A - at 110 V rated value 1.4 A operational current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 110 V rated value 1.4 A - at 440 V rated value 0.1 A - at 600 V rated value 0.06 A ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 55 A - at 110 V rated value 55 A - at 110 V rated value 55 A - at 440 V rated value 55 A - at 440 V rated value 50.27 A - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A	— at 220 V rated value	5 A
 with 3 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	
 with 3 current paths in series at DC-1 — at 24 V rated value	— at 600 V rated value	0.8 A
- at 24 V rated value 55 A - at 110 V rated value 55 A - at 220 V rated value 45 A - at 440 V rated value 2.9 A - at 600 V rated value 1.4 A operational current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 110 V rated value 1 A - at 440 V rated value 1 A - at 440 V rated value 1 A - at 440 V rated value 0.1 A - at 600 V rated value 0.1 A - at 220 V rated value 1 A - at 24 V rated value 55 A - at 110 V rated value 55 A - at 220 V rated value 55 A - at 440 V rated value 55 A - at 440 V rated value 55 A - at 440 V rated value 25 A - at 440 V rated value 50.27 A - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5	 with 3 current paths in series at DC-1 	
- at 110 V rated value 55 A - at 220 V rated value 45 A - at 440 V rated value 2.9 A - at 600 V rated value 1.4 A operational current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 35 A - at 110 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 0.1 A - at 600 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 55 A - at 110 V rated value 55 A - at 110 V rated value 55 A - at 440 V rated value 55 A - at 440 V rated value 25 A - at 220 V rated value 50.27 A - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5	•	55 A
at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value 1.4 A operational current • at 1 current path at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 24 V rated value at 25 A at 27 V rated value at 24 V rated value at 25 A at 27 V rated value at 27 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 440 V rated value at 440 V rated value at 600 V rated value		
- at 440 V rated value - at 600 V rated value operational current • at 1 current path at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 0.1 A - at 600 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value 55 A - at 120 V rated value - at 440 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 55 A - at 110 V rated value - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A		
operational current • at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 25 A — at 27 V rated value — at 27 V rated value — at 28 V rated value — at 290 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5		
 at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 4600 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 600 V rated value	1.4 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value o.27 A at 600 V rated value with 3 current paths in series at DC-3 at DC-5 	operational current	
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value o.27 A at 600 V rated value with 3 current paths in series at DC-3 at DC-5 	• at 1 current path at DC-3 at DC-5	
 at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 		35 A
 at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 	— at 110 V rated value	2.5 A
 at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 	— at 220 V rated value	1 A
 with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 55 A — at 110 V rated value 25 A — at 220 V rated value 5 A — at 440 V rated value 0.27 A — at 600 V rated value 0.16 A with 3 current paths in series at DC-3 at DC-5 	— at 440 V rated value	0.1 A
 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 600 V rated value	0.06 A
 — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	 with 2 current paths in series at DC-3 at DC-5 	
 at 220 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 	— at 24 V rated value	55 A
 — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 110 V rated value	25 A
 — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 220 V rated value	5 A
• with 3 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
	 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value 55 A	— at 24 V rated value	55 A

— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
at AC-2 at 400 V rated value	37 kW
• at AC-3	
— at 230 V rated value	22 kW
— at 400 V rated value	37 kW
— at 500 V rated value	37 kW
— at 690 V rated value	45 kW
operating power for approx. 200000 operating cycles at AC-4	
 at 400 V rated value 	15.8 kW
at 690 V rated value	21.8 kW
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	1 298 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	898 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	640 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	414 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	333 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	1 500 1/h
Ratings for railway applications	
thermal current (Ith) up to 690 V	
 up to 40 °C according to IEC 60077 rated value 	90 A
 up to 70 °C according to IEC 60077 rated value 	75 A
Control circuit/ Control	
type of voltage	DC
type of voltage of the control supply voltage	DC
type or voltage of the control supply voltage	
control supply voltage at DC	
	24 V
control supply voltage at DC	
control supply voltage at DC • rated value operating range factor control supply voltage rated	
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC	24 V
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value	24 V 0.7
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value	0.7 1.25
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor	24 V 0.7 1.25 with varistor
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak	24 V 0.7 1.25 with varistor 3 A
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak	24 V 0.7 1.25 with varistor 3 A 50 μs
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value	24 V 0.7 1.25 with varistor 3 A 50 µs 1 A
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms Standard A1 - A2
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms Standard A1 - A2
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms Standard A1 - A2
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts	24 V 0.7 1.25 with varistor 3 A 50 µs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms Standard A1 - A2
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor inrush current peak duration of inrush current peak locked-rotor current mean value locked-rotor current peak duration of locked-rotor current holding current mean value closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts	24 V 0.7 1.25 with varistor 3 A 50 μs 1 A 2.6 A 230 ms 40 mA 23 W 1 W 45 60 ms 35 55 ms 10 20 ms Standard A1 - A2

 at 230 V rated value 	10 A
at 400 V rated value	3 A
 at 500 V rated value 	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	65 A
at 600 V rated value	62 A
yielded mechanical performance [hp]	0271
• for single-phase AC motor	
— at 110/120 V rated value	5 hp
— at 230 V rated value	15 hp
• for 3-phase AC motor	10 115
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	25 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	60 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	700071 000
	No
product function short circuit protection design of the fuse link	INO
•	
 for short-circuit protection of the main circuit — with type of coordination 1 required 	aC: 250 A (600 V 100 kA) aM: 160 A (600 V 100 kA) BC00: 200 A
,	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)
— with type of assignment 2 required	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)
,	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A
 with type of assignment 2 required for short-circuit protection of the auxiliary switch 	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)
with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail
— with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
 with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width 	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm 55 mm
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm
— with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm 55 mm
 with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting 	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
— with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
 with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards 	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
 with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards 	(415 V, 80 kA) gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm

— upwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards — downwards — at the side Connections/ Terminals Sype of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Sype of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts	mm mm nm mm mm mm
— forwards — upwards — at the side — downwards • for live parts — forwards — upwards — of forwards — upwards — upwards — downwards — at the side — downwards — at the side — at the side — at the side Sonnections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts	mm
— upwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards — at the side — downwards — onnections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • for auxiliary contacts • for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts	mm
— at the side — downwards • for live parts — forwards — upwards — upwards — downwards — at the side Fonnections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	mm
- downwards • for live parts - forwards - upwards - downwards - at the side onnections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts 2x type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	mm
for live parts — forwards — upwards — downwards — at the side — at the side — for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • with low demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	mm
— forwards — upwards — downwards — at the side onnections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2x type of connectable conductor cross-sections • for auxiliary contacts 2x type of connectable conductor cross-sections • for auxiliary contacts 2x AWG cables for main contacts 2x • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts	mm mm ew-type terminals ew-type terminals ew-type terminals ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
— upwards — downwards — at the side — at the side — onnections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	mm mm ew-type terminals ew-type terminals ew-type terminals ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
— downwards — at the side onnections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2x type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	ew-type terminals ew-type terminals ew-type terminals ew-type terminals ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
— at the side connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts	ew-type terminals ew-type terminals ew-type terminals ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts - solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts	ew-type terminals ew-type terminals ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2x type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2x type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts 2x • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil for main contacts for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — solid or stranded • for auxiliary contacts — solid or stranded — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts solid or stranded for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	ew-type terminals ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts — solid or stranded — finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts — solid or stranded — finely stranded with core end processing at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts with high demand rate acc. to SN 31920 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	ew-type terminals (1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
of magnet coil type of connectable conductor cross-sections of r main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • for auxiliary contacts — solid or stranded — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • with high demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	(1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • with ligh demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	(1 35 mm²), 1x (1 50 mm²) (1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • with high demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	(1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 — solid or stranded — finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	(1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts with high demand rate acc. to SN 31920 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	(1 25 mm²), 1x (1 35 mm²) (18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 at AWG number as coded connectable conductor cross section for auxiliary contacts afety related data To success the conductor cross accordance to the conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 at AWG number accordance to SN 31920	(18 2), 1x (18 1) (0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 73	(0,5 1,5 mm²), 2x (0,75 2,5 mm²) (0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for auxiliary contacts • AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 73	(0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 — solid or stranded — finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	(0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 — solid or stranded — finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	(0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 	(0.5 1.5 mm²), 2x (0.75 2.5 mm²) (20 16), 2x (18 14) 1
 at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 40 with high demand rate acc. to SN 31920 73	1
AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 73	1
cross section for auxiliary contacts afety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 73	14
B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 73	
proportion of dangerous failures ■ with low demand rate acc. to SN 31920 40 ■ with high demand rate acc. to SN 31920 73	
 proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 73 	00 000
 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 73 	
• with high demand rate acc. to SN 31920 73	%
) FIT
product function	
• mirror contact acc. to IEC 60947-4-1 Ye	3
• positively driven operation acc. to IEC 60947-5-1 No	
T1 value for proof test interval or service life acc. to IEC 61508	у
protection class IP on the front acc. to IEC 60529 IP2	0
touch protection on the front acc. to IEC 60529 fing	er-safe, for vertical contact from the front
suitability for use safety-related switching OFF Ye	5
ommunication/ Protocol	
product function bus communication No	
Sertificates/ approvals	
General Product Approval	EMC











Declaration of Conformity Test Certificates Marine / Shipping



Miscellaneous

Special Test Certificate Type Test
Certificates/Test
Report





Marine / Shipping other











Confirmation

Railway

Type Test
Certificates/Test
Report

Vibration and Shock

Special Test Certificate

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2038-1XB40-0LA2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2038-1XB40-0LA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1XB40-0LA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

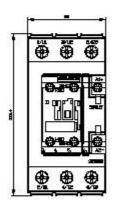
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2038-1XB40-0LA2\&lang=en}$

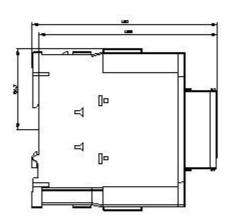
Characteristic: Tripping characteristics, I2t, Let-through current

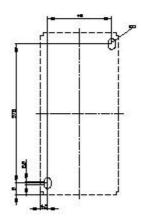
https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1XB40-0LA2/char

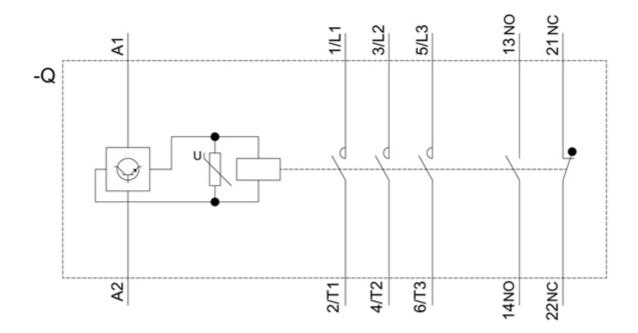
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2038-1XB40-0LA2&objecttype=14&gridview=view1









last modified: 12/15/2020 🖸